

ABSTRACT OF THE DISCLOSURE

A method of determining an effective method for control of soil pathogens in a soil which includes the step of measuring the pH of the soil, measuring the organic carbon content of the soil, measuring the buffering capacity of the soil, adding a nitrogen containing material and a pH reducing agent to reduce the soil pH below 5.5 when the buffering capacity of the soil is below a predetermined amount, and adding a nitrogen containing material and a pH raising agent to raise the pH above 8.5 when the organic carbon content is less than 1.7% by weight.